

Notice No.3

Rules and Regulations for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk, July 2022

The status of this Rule set is amended as shown and is now to be read in conjunction with this and prior Notices. Any corrigenda included in the Notice are effective immediately.

Please note that corrigenda amends to paragraphs, Tables and Figures are not shown in their entirety.

Issue date: June 2023

Amendments to	Adoption Date	Applicable Date
Chapter 4, Section 4	Corrigenda	N/A
Chapter 11, Section 11	Corrigenda	N/A

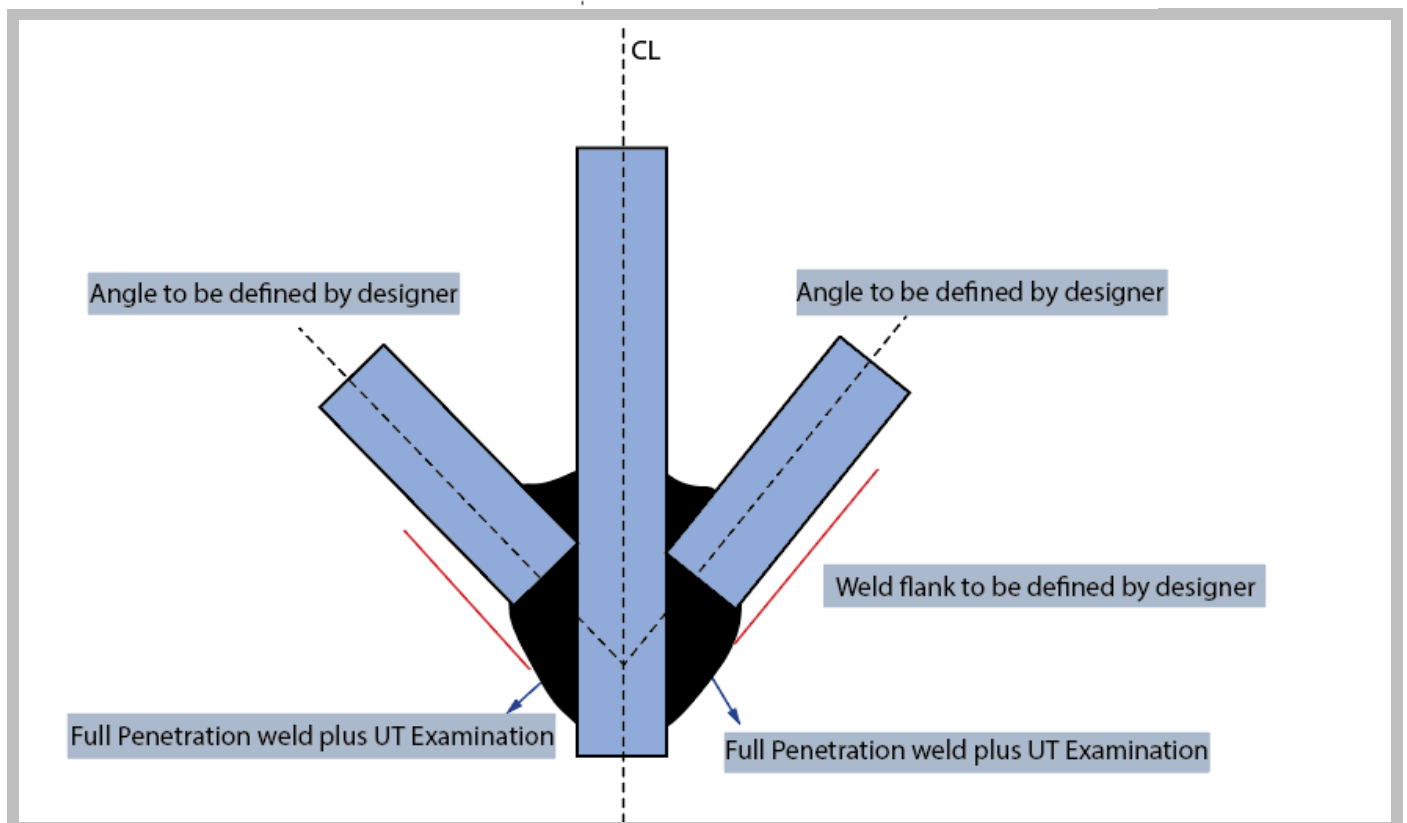
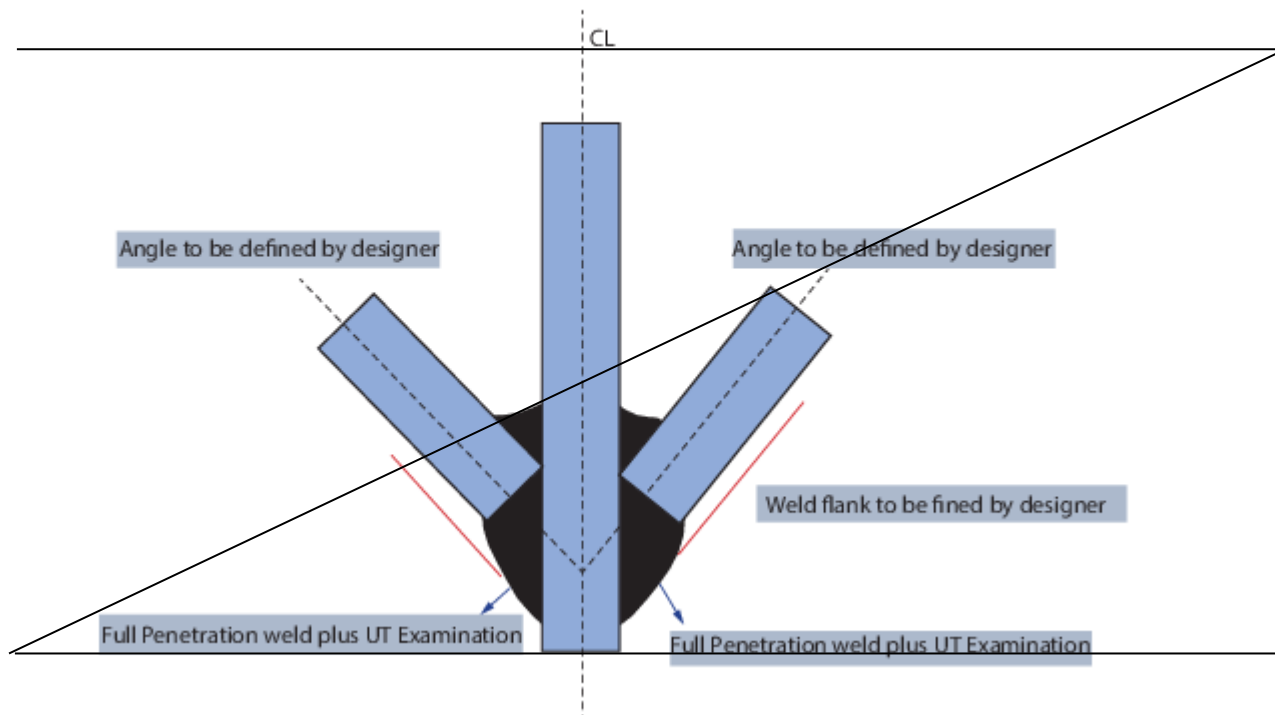


Chapter 4, Part D Materials and Construction

4.20 Construction processes

4.20.3 Testing

Figure LR 4.1 *Cruciform full penetration weld*



4.21 Type A independent tanks

4.21.1 *Design basis*

LR 4.21-03 The scantlings of the cargo tanks are to comply with the requirements of LR 4.21-04 and the following:

(g) Internal bulkheads (Non-perforated)

- (ii) Where no such loading condition is envisaged, and where the arrangement of the centreline bulkhead in way of the tank dome creates a common vapour space between the port and starboard sides of the tank, the scantlings may be derived as follows:

The thickness of plating and the section modulus of stiffeners are to be derived from (b) and (c) respectively, but P_{eq} (in MPa) need not exceed the greater of:

$$\frac{h_p}{1,02 \times 10^3} \quad \frac{h \rho}{1,02 \times 10^5} \quad \text{Or} \quad \frac{a_y b_t \rho}{1,02 \times 10^5}$$

Chapter 11

Fire Protection and Extinction

11.4 Dry chemical powder fire-extinguishing systems

11.4.8 After installation, the pipes, valves, fittings and assembled systems shall be subjected to a tightness test and functional testing of the remote and local release stations. The initial testing shall also include a discharge of sufficient amounts of dry chemical powder to verify that the system is in proper working order. All distribution piping shall be blown through with dry air to ensure that the piping is free of obstructions.

LR 11.4 – 01 Testing arrangements should involve the discharge using dry chemical powder from all monitors and hand hose lines on board but it is not required that there is a full discharge of the installed quantity of dry powder. This testing can also be used to satisfy the requirement that the piping is free of obstructions, in lieu of blowing through with dry air all the distribution piping. However, after the completion of this testing, the system, including all monitors and hand hose lines, should be blown through with dry air but only for the purpose of the system subsequently being clear from any residues of dry chemical powder.

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